

CLIMATE CHANGE AND THE SALEM MARITIME NATIONAL HISTORIC SITE

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"Climate change is fundamentally
the greatest threat to the integrity
of our national parks that we
have ever experienced.
Current science confirms the planet
is warming and the effects
are here and now."
- National Park Service -





Is Climate Change Real?

Climate Change is Real.

The Intergovernmental Panel on Climate Change found that 97% of scientists agree that it is real.

And they agree that the main cause is human activity: industrialization based on the use of fossil fuels and resulting carbon emissions.



Can Climate Change Be Slowed Down or Reversed?

Only action by human beings can save the world

– our countries, cities, towns and our National Parks –
from the worst impacts of climate change.

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What are the Local Impacts of Climate Change?

HIGHER TEMPERATURES

Between 1895 and 2011 the average temperatures in the Northeast USA increased by 2°F.

The increase over the next century may be more than 10°F.

By 2070 there may be 90 days of over 90°F in Salem.

SEA LEVEL RISE

Sea levels in Salem are rising.

By the end of the century sea levels could rise over 10' (meters).

Combined with storm surge, the possibilities of extreme flooding increase.

EXTREME PREOPITATION

By 2050 Salem will likely experience many more rain or snowfall events similar to Winter Storm Nemo in 2013.

This storm dumped over 2' of snow and produced hurricane-force winds.



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DOES NOT RESPECT BOUNDARIES"



EXTREME PRECIPITATION

By 2050 Salem





THE NATIONAL PARK SERVICE

Yellowstone National Park



Statue of Liberty



Joshua Tree National Park



Grinnell Glacial Recession Over Time Taken from the summit of Mount Gould, Glacier National Park, Montana









LE RÉCHAUFFEMENT CLIMATIQUE N'A PAS DE FRONTIÈRE

"EL CAMBIO CLIMÁTICO **NO RESPETA FRONTERAS**

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CLIMATE CHANGE AND

HOPE FOR OUR FUTURE IN SALEM

Salem Maritime National Historic Site is actively looking to be 'Climate Friendly and Climate Ready.



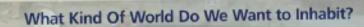
STEPS THAT ARE BEING TAKEN







The choices you make today do make a difference.



Although climate change has been revealed by science, it's not just about science.

It's about what sort of world we want to live in.

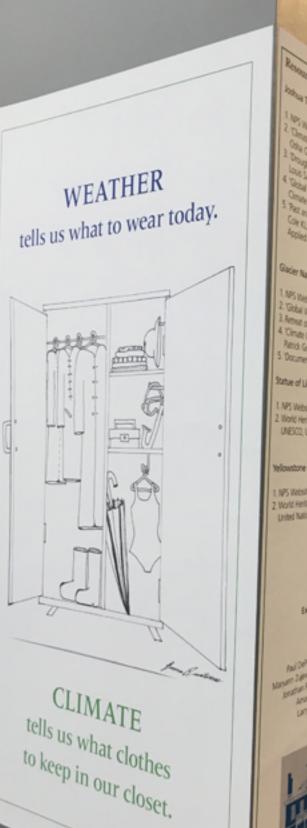


Derby Wharf Sunrise 02016 Leslie D. Bartle

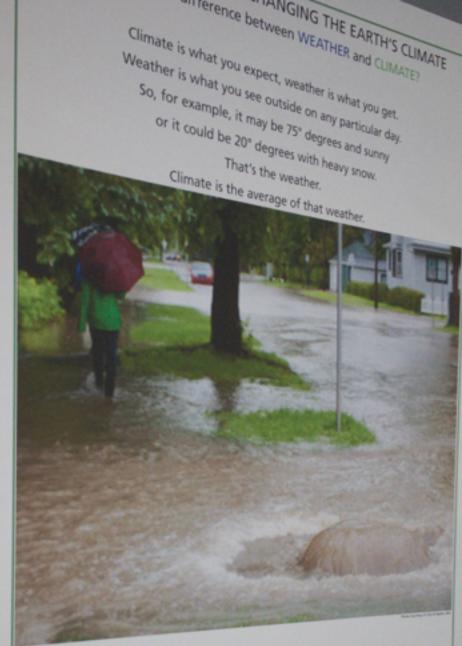
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For example, you can expect snow in the Northeast in January or for it to be hot and humid in the Southeast in July.

This is climate.

The climate record also includes extreme values

such as record high temperatures or record amounts of rainfall.

If you've ever heard your local weather person say

"today we hit a record high for this day."

"today we hit a record high for this day."

she is talking about climate records.

she is talking about climate change,

we are talking about changes

we are talking about changes

in long-term averages of daily weather.

in long-term averages of daily weather.

In most places, weather can change

In most places, weather can change

from minute-to-minute, hour-to-hour,

from minute-to-minute, and season-to-season.

day-to-day, and season-to-season.

